

**PHARMACEUTICAL COMPOSITIONS COMPRISING CYCLIC
GLYCEROPHOSPHATES AND ANALOGS THEREOF FOR
PROMOTING NEURAL CELL DIFFERENTIATION**

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11/13/04
This application is 371 of PCT/IL00/00185, filed March 24, 2000, which claims the priority of Israel Patent Application No. 129,178, filed March 25, 1999.

FIELD OF THE INVENTION

The present invention concerns pharmaceutical compositions comprising cyclic glycerophosphates and analogs thereof and treatment of neural-associated conditions and disorders.

PRIOR ART

The following is a list of references which is intended for a better understanding of the background of the present invention.

- 10 Boyd, R.K., De Freitas, A.S.W., Hoyle, J., McCulloch, A.W., McInnes, A.G., Rogerson, A. and Walter, J.A., *J. Biol. Chem.*, **262**:12406-12408 (1987).
- 15 Clarke, N. and Dawson, R.M.C., *Biochem. J.*, **216**:867-874 (1976).
- Dawson, R.M.C., *Ann. Rept. Progr. Chem.* **55**:365, (1958).
- Dawson, R.M.C., Freinkel, N., Jungalwala, F.B. and Clarke, N., *Biochem. J.*, **122**:605-607, (1971).
- 20 Forrest, H.S. and Todd, A.R., *J. Chem. Soc.*, 1950, 3925, (1950).
- Friedman, P., Haimovitz, R., Markman, O., Roberts, M.F. and Shinitzky, M., Conversion of lysophospholipids to cyclic lysophosphatidic acid by phospholipase, *D.J. Biol. Chem.*, **271**:953-957 (1996).
- 25 Hagg, T. and Varon, S., *Proc. Natl. Acad. Sci., USA* **90**:6315-6319, (1993).
- Kennedy and Weiss, *J. Biol. Chem.*, **222**:193 (1956).
- 30 Knusel, B., et al., *Neurosci.*, **10**:558-570, (1990).